

Third Grade Cluster 8 Assessment Teacher Guide



This assessment assesses students' ability to:

- Estimate and compare liquid volumes
- Estimate and compare mass
- Make connections to everyday items to build understanding of liquid volume and the liter
- Choose appropriate measurement units to measure mass and volume

Common Core Standards:

This assessment addresses each of the following Common Core Standards:

Standard	Questions
NC.3.MD.2	1, 2, 3, 4, 5, 6, 7

Data Driven Instruction:

This assessment is one data point and should be used with data gathered from multiple sources to make an informed decision about each student's misconceptions and mastery.

3rd Grade Cluster 8– Scoring Guide

Question	Standard	Answer
1	NC.3.MD.2	D
2	NC.3.MD.2	B
3	NC.3.MD.2	D
4	NC.3.MD.2	D
5	NC.3.MD.2	B
6	NC.3.MD.2	A
7	NC.3.MD.2	D

Student Name: _____ Date: _____

3rd Grade Cluster 8 Assessment

Directions:

Solve each problem and show your work.

1. Which of the following has a mass (weight) of about 2 ounces?



A



B



C



D



very light

2. My punch recipe needs 5 cups of orange juice and 3 cups of ice cream to make punch. If I double my punch recipe, how many liters of punch will I make?

- A 8 cups
- C 30 cups

- B 16 cups**
- D 32 cups

5 x 2 = 10
3 x 2 = 6
16 *or 8 x 2 = 16*

3. If Komora is measuring the weight of her pen, which unit should she use?

- A cups
- C pints

- B pounds
- D ounces**

very light

4. Jose and Rashik are making a tree house swing. Jose has a rope that is 75 inches long. Rashik has a rope that is 127 inches long. If they connected their ropes, how long would the new rope be?

- A 52 inches
- C 192 inches

- B 102 inches**
- D 202 inches

127
75
202 in



5. You are planning to fill a large fish tank with water. Which unit might you use to measure the amount of water needed for the fish tank?

- A quarts
- B gallons**
- C pounds
- D inches

6. Carla and Mikela went to the county fair and saw pumpkins on scales. Carla's pumpkin weighed 9 pounds. Carla's pumpkin weighed 7 pounds less than Mikela's pumpkin.

What was the combined weight of the pumpkins?

- A 25 pounds**
- B 11 pounds
- C 16 pounds
- D 2 pounds

Carla - 9 lbs
Mik - 9 + 7 = 16 lbs
9 + 16 = 25 lbs

7. Jaime was mixing a blue liquid and a yellow liquid during science. There was 39 cups of blue liquid and 17 cups of yellow liquid. If Jaime pours an equal amount of liquid into 8 containers how much liquid is in each cup?

- A 65 cups
- B 56 cups
- C 14 cups**
- D 7 cups**

$$\begin{array}{r} 39 \\ +17 \\ \hline 56 \end{array}$$

$$56 \div 8 = 7$$